

Japan Equity Strategy

Japan's corporate reforms seems real: evaluating structural transformation

Investment Strategy

Structural shift toward inflation, less dependence on forex

We examine five structural changes underway in Japan: (1) a structural shift toward an inflationary economy; (2) less dependence on forex; (3) accelerating corporate reforms; (4) a rise in Japan's soft power; and (5) the Upper House election (as a risk factor).

To begin, the structural shift to an inflationary economy is rooted in demographics, with the mass retirement of baby boomers serving as the trigger. If cost-push inflation subsides and labor shortages lead to stickier wage growth, Japan could see healthier, more sustained inflation over the medium term. Moderate yen appreciation improves terms of trade for Japan, and with earnings less sensitive to forex, the stronger yen is not as negative for Japanese equities. Companies accelerating the transfer of production to overseas locations has reduced the sensitivity of EPS to forex while amplifying its impact on their own capital. The end of an overly weak yen is also helping improve ROE.

Corporate reforms, soft power and Upper House election

The transition to an inflationary economy has helped catalyze corporate reforms. In response to inflation, companies are more effectively using their cash and raising prices to fund wage hikes. Labor shortages have also prompted industry consolidation and a focus on core competencies. From a macro perspective, Japan now has an opportunity to play a central role in global free trade and international coordination. This reinforces the importance of Japan's growing soft power. For the near term, however, a key risk is the Upper House election being held in July.

Corporate reforms: Three unwindings

In this report, we examine three key trends in corporate reforms: (1) the unwinding of parent-subsidiary listings, (2) reductions of strategic shareholdings and (3) the disposal of idle real estate.

02 June 2025

Investment Strategy Japan

Masashi Akutsu >> Strategist BofAS Japan +81 3 6225 7754 masashi.akutsu@bofa.com

Tetsuhiro Tokuyama >> Strategist BofAS Japan +81 3 6225 8499 tetsuhiro.tokuyama@bofa.com

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules.

Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Refer to important disclosures on page 24 to 26. 12837821

Timestamp: 02 June 2025 05:49AM EDT

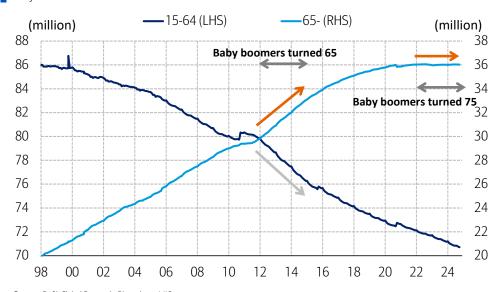
Assessing Japan's structural changes

Compared to European equities, which have seen a historic shift in fiscal policy, and Chinese equities, which are catching up in Al, Japanese equities have underperformed since 2H 2024. On the other hand, Japan's structural transformation continues to progress steadily. We are increasingly convinced that the current wave of corporate reforms is genuine. This provides a strong rationale for reassessing Japanese equities from a medium-term perspective, in our opinion. In this report, we highlight five key changes occurring in Japan: (1) the transition to an inflationary economy, (2) less dependence on forex, (3) accelerating corporate reforms, (4) a rise in Japan's soft power, and (5) the July Upper House election (as a risk factor).

Structural shift toward an inflationary economy

First, we discuss the background to Japan's transition to an inflationary economy. We believe that structural labor shortages have been an underlying driver of inflation. Labor shortages began with the mass retirement of baby boomers during 2012-14 (Exhibit 1).

Exhibit 1: Population aged 15-64 (working-age population) and 65 and over Baby boomers turned 65 in 2012-14 and 75 in 2022-24



Source: BofA Global Research, Bloomberg, MIC Note: Japan's baby boomers were born between 1947-1949

BofA GLOBAL RESEARCH

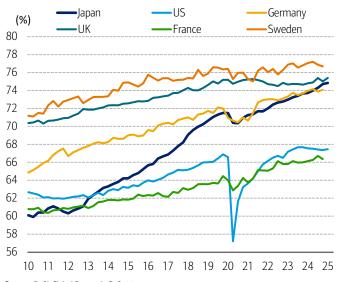
In recent years, three other factors have exacerbated the labor shortages. First, many baby boomers who had remained employed reached age 75 during 2022-24, and accelerated their exit from the labor market. Second, female participation in the workforce, which helped fill the gap after baby boomers retired, has already increased significantly. Japan's female workforce participation rate has caught up with levels in Germany and the UK, and Japan's once-distinct M-shaped curve (a drop in the workforce participation rate during women's childbearing and childrearing years in their 30s) has nearly disappeared (Exhibit 2, Exhibit 3). Third, the work style reforms that began in 2017 have made it harder for companies to adjust overtime hours during peak work periods. We see no end to Japan's labor shortages.



2

Exhibit 2: Female labor force participation rates in major countries

Japan's female labor force participation rate has risen to levels comparable to Germany and the UK's



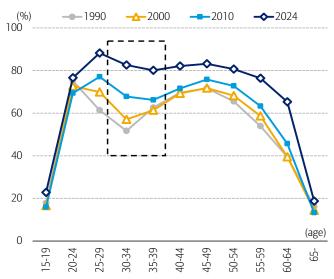
Source: BofA Global Research, Refinitiv

Note: Ages 15-64

BofA GLOBAL RESEARCH

Exhibit 3: Female labor force participation by age cohort

The "M-curve" has nearly disappeared



Source: BofA Global Research, MIC, MHLW

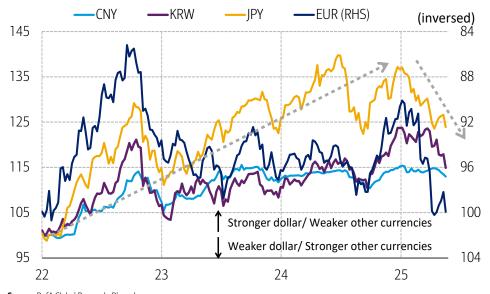
Note: Labor force population as a fraction of population aged 15 and over

BofA GLOBAL RESEARCH

The easing of high natural resource prices and excessive yen weakness is also significant, as it is helping to moderate cost-push inflation. This has the potential to improve terms of trade and entrench healthy inflation. Looking back, after the start of the Ukraine war in 2022 and the surge in resource prices, the currencies of non-resource countries, including Japan, came under selling pressures, while resource-rich countries bought the dollar (Exhibit 4). As a result, higher resource prices and weaker currencies sharply worsened the terms of trade in those countries, forcing central banks to tighten monetary policy while weighing on USD-based equity indices. Lately, that dynamic has since reversed.

Exhibit 4: EUR, JPY, CNY, and KRW vs. USD

Since 2022, currencies of non-resource nations such as Europe, China, Asian industrialized nations, and Japan have depreciated vs USD



Source: BofA Global Research, Bloomberg

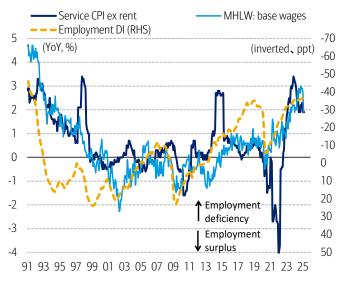


Meanwhile, the increase in import prices helped awaken wage inflation in Japan. In Japan, there is an extended time lag between wages and inflation. This is because spring wage negotiations (shunto) typically take about six months to be reflected in monthly wages, and are influenced by the prior year's rate of inflation. Currently, wage and service price increases are finally taking hold, at a lag behind the spike in import prices (Exhibit 5).

If import-driven inflation slows down (Exhibit 6) while wage inflation remains sticky due to structural labor shortages, a path could open up to real wage growth over the medium term. That said, the recent increase in food prices and decline in wages due to uncertainty are risks. We view inflation as becoming healthy and sustainable (our economists forecast core CPI at +1.9% YoY in FY25 and +2.1% in FY26).

Exhibit 5: Services CPI (excluding rent), scheduled wages, employment conditions DI

Wage and service CPI increases becoming entrenched

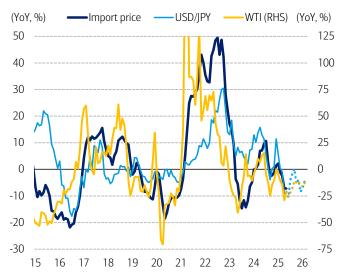


Source: BofA Global Research, INDB

Note: Scheduled wages from 2016 are for continuously surveyed establishments. Employment conditions DI is for companies of all sizes and all industries

BofA GLOBAL RESEARCH

Exhibit 6:: Import price index, USD/JPY rate, WTI crude oil Import inflation is expected to stabilize



Source: BofA Global Research, Bloomberg

Note: The dashed lines for the USD/JPY rate and WTI crude oil price are projections assuming their YoY change continues following the previous pattern

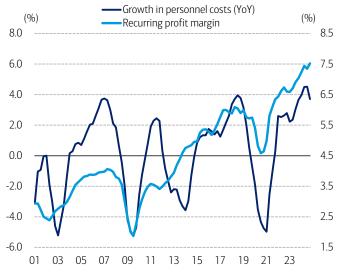
BofA GLOBAL RESEARCH

Although personnel costs are rising for Japanese companies, they have been able to pass these costs onto prices, and margins are showing signs of improvement (Exhibit 7). Wage inflation may cause earnings gaps to widen among companies, but it is not a drag on overall earnings. While overall capex is likely to decelerate amid external uncertainties (see our 22 May Japan Viewpoint report), software investment remains resilient due to labor shortages (Exhibit 8). This should help boost productivity. We believe healthy inflation will be a supportive factor for corporate earnings.



Exhibit 7: Labor costs, recurring profit margin

Despite rising labor costs, margins improving on price pass-through

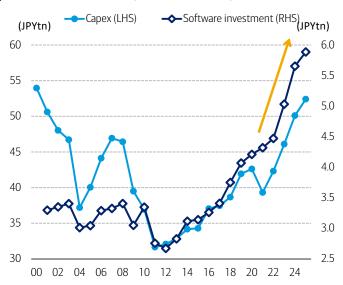


Source: BofA Global Research, MoF Note: For companies of all sizes and all industries

BofA GLOBAL RESEARCH

Exhibit 8: Tankan: Fixed investment and software investment plans (March survey for each year)

Software investment has surged since labor shortages worsened



Source: BofA Global Research, BoJ

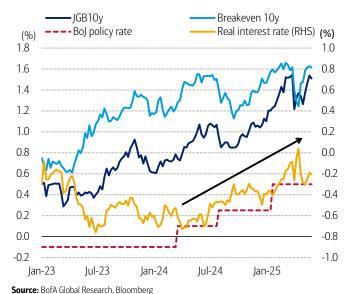
Note: Large enterprises, all industries. Fixed investment includes land where long-term series are available

BofA GLOBAL RESEARCH

The BoJ's shift away from a hawkish stance was also good news. While the US tariff policy was the direct trigger, easing cost-push inflation likely also played a major role. Since the second half of 2024, the BoJ had been the only major central bank leaning toward interest rate hikes, which weighed on Japanese equities (Exhibit 9, Exhibit 10). As long as wage inflation persists, the BoJ still has room to raise interest rates (our economists expect hikes to resume in April 2026, potentially earlier depending on tariffs). However, with less urgency to hike rates and hikes at a pace more in line with Japan's economic condition, this is not a significant negative for equities.

Exhibit 9: 10yr JGB yield, expected inflation, real yields, and BoJ policy rate

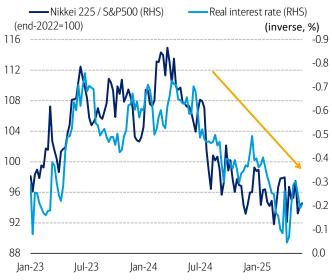
Real yields rose from 2H CY24, in line with BoJ rate hikes



BofA GLOBAL RESEARCH

Exhibit 10: Nikkei Average/S&P 500 and real yields

Rise in real yields a factor behind Japanese stocks' outperformance



Source: BofA Global Research, Bloomberg



Less dependence on forex

Does yen appreciation improve terms of trade but act as a drag on Japanese equities? Rapid yen appreciation would pose a significant risk, but we do not see this happening. In fact, the appreciation of the yen has stopped around the level suggested by the US-Japan real interest rate differential (Exhibit 11). Our forex strategist also notes that foreign direct investment and purchases of dollar assets by NISA investors are structural drivers of yen selling. Following the conclusion of US-Japan trade talks, increased direct investment in the US could further weaken the yen (Exhibit 12, our year-end forecast is ¥155/USD). This would likely trigger a correction in yen long positions, which have built up to record highs in the futures market.

Exhibit 11: US-Japan real yield spread and USD/JPY

Yen appreciation looks to have halted at level implied by US-Japan real yield spread

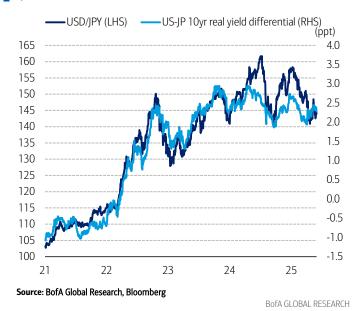
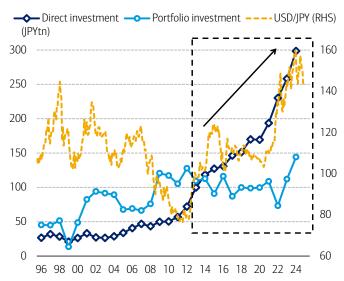


Exhibit 12: Net foreign asset position from FDI and securities investment, USD/JPY

The increase in foreign direct investment (FDI) has been a persistent cause of yen selling



Source: BofA Global Research, MoF, Bloomberg

BofA GLOBAL RESEARCH

However, the end of excessive yen weakness, combined with improved terms of trade and global economic stimulus from a weaker dollar, is not a negative for Japanese equities. This is because corporate earnings have become less sensitive to forex fluctuations (Exhibit 13, Exhibit 14). Bottom-up estimates suggest that ¥1 of appreciation versus USD depresses annual operating profit (OP) by around 0.4%, all else remaining the same. Applying a top-down approach, we estimate that ¥1 of appreciation versus USD depresses TOPIX EPS by around 0.35%, all else same. Their reduced impact on earnings can be attributed to (1) Japan's accelerated relocation of production bases overseas, and (2) Japan having focused its exports on high-quality products (the prices of which are affected less by exchange rate fluctuations).



Exhibit 13: TOPIX vs. USD/JPY

The impact exchange rates have on stock prices has declined in recent years

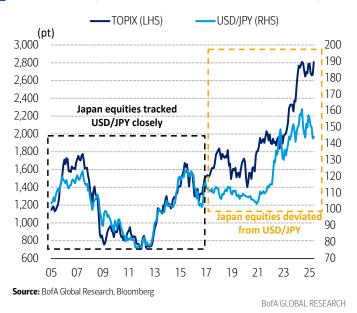
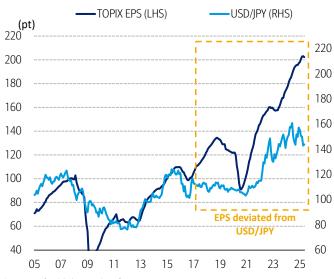


Exhibit 14: TOPIX EPS vs. USD/JPY

The impact exchange rates have on EPS has declined in recent years



Source: BofA Global Research, Refinitiv

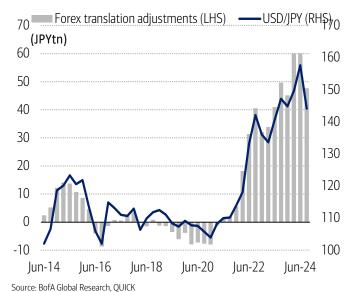
Note: EPS based on 12-month forward I/B/E/S consensus estimates.

BofA GLOBAL RESEARCH

The end of excessive yen weakness might also help to improve ROE. The accelerated push to move production offshore in recent years has reduced the sensitivity of EPS to forex, but appears to have increased the impact on equity capital. Since 2022, improvement in ROE has lagged behind the sharp rebound in EPS, partly because rapid yen depreciation increased the forex translation adjustment amount on financial statements (difference with book value when translating the balance sheets of overseas subsidiaries into yen), expanding shareholders' equity (Exhibit 15).

Exhibit 15: USD/JPY and TOPIX's foreign currency translation adjustment

A weaker yen helps boost the foreign currency translation adjustment

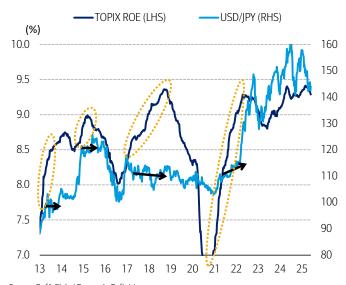


Note: we aggregate the TOPIX constituents with consistent data available over the last 10 years

BofA GLOBAL RESEARCH

Exhibit 16: TOPIX ROE and USD/JPY

The ROE improvement tends to accelerate when USD/JPY trades flat



Source: BofA Global Research, Refinitiv

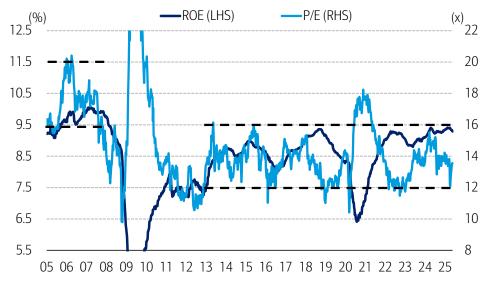
Note: Based on I/B/E/S 12-month forward ROE estimate



It is noteworthy that ROE improved the most strongly in recent years during periods of forex stability (Exhibit 16). Taking into account the effects of corporate reforms, we expect ROE to break through the 9.5% ceiling seen in recent years once EPS enters the next recovery cycle (Exhibit 17). In this case, we would probably see a return of foreign investor capital into Japanese equities and a growing narrative that corporate reforms are bearing fruit.

Exhibit 17: TOPIX ROE and P/E

Range-bound since 2013: P/E 12-16x, ROE 7.5-9.5%



Source: BofA Global Research, Refinitiv
Note: Based on I/B/E/S 12-month forward ROE estimate

BofA GLOBAL RESEARCH

Acceleration of corporate reforms

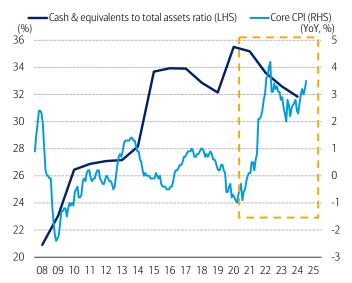
We believe the transition to an inflationary economy has served as a key catalyst for corporate reforms. First of all, companies can no longer justify hoarding cash that is losing value. In fact, cash holdings by Japanese companies have shown a negative correlation with inflation (Exhibit 18).

Structural labor shortages have also created a need to continue raising wages, prompting a cycle where firms optimize pricing strategies, improve the quality of their products and services, and focus capital on competitive businesses/sell off unprofitable operations. The main driver of price hikes starting in 2022 was a jump in raw material prices; after this paused in 2023, companies' need to fund wage hikes took over (Exhibit 20, Exhibit 21). Labor shortages have also facilitated business streamlining and industry consolidation (Exhibit 19).



Exhibit 18: TOPIX firms' cash & equivalents/total assets, core CPI

Companies have stepped up use of cash since shift to positive inflation became clear



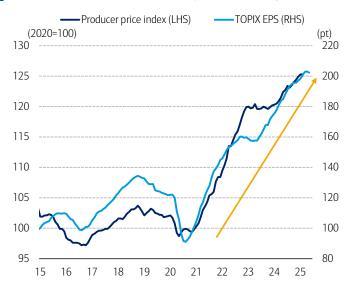
Source: BofA Global Research, QUICK

Note: Core CPI excludes impact of consumption tax hikes

BofA GLOBAL RESEARCH

Exhibit 20: TOPIX EPS and CGPI

Constant price hikes main driver of recent years' sharp profit growth



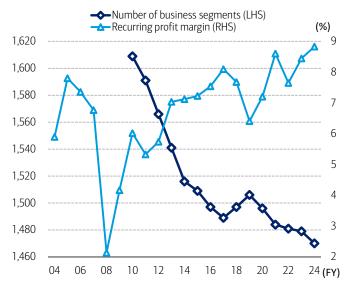
Source: BofA Global Research, Refinitiv, INDB

Note: EPS is I/B/E/S consensus 12-month forward forecasts. CGPI excludes impact of consumption tax hikes

BofA GLOBAL RESEARCH

Exhibit 19: TOPIX business segments and recurring profit margin

Business segments tend to decrease over time



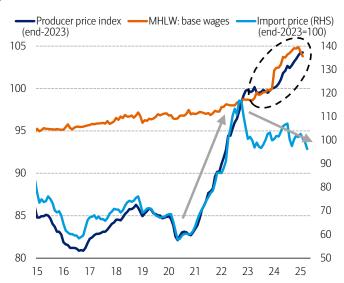
Source: BofA Global Research, QUICK

Note: we aggregate TOPIX companies with at least 3 business segments in FY2020

BofA GLOBAL RESEARCH

Exhibit 21: CGPI, scheduled cash earnings, and import price index

Price hikes initially driven mainly by rising import prices, now by need to fund wage hikes



Source: BofA Global Research, INDB

Note: CGPI excludes impact of consumption tax hikes. Scheduled cash earnings are our seasonally adjusted values.

BofA GLOBAL RESEARCH

Regulatory initiatives by the TSE have also played a major role in driving corporate reforms. For instance, companies that have disclosed reform initiatives in response to TSE requests have been more proactive in share buybacks (Exhibit 22). These companies are also favored by foreign investors (Exhibit 23).

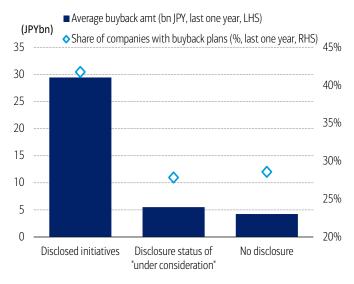
External pressure from the threat of acquisition by foreign companies and demands from activist investors has also pressed the need for corporate reforms. This made Japanese firms keenly aware of the dangers of failing to address a low share price or ROE. Unwinding strategic shareholdings enabled firms to fund buybacks while reducing



their stable shareholder ratios, creating scope for greater investor involvement (Exhibit 24).

Exhibit 22: Average buyback amount and share of companies with buyback plans by status of disclosure (past one year)

Companies with disclosure tend to conduct more share repurchases



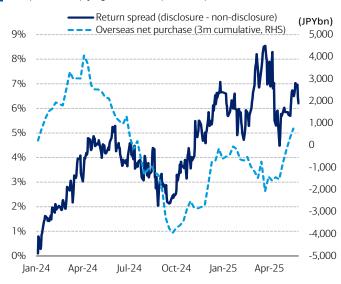
Source: BofA Global Research, QUICK

Note: Based on Prime listed companies. We calculate average buyback amount and share of companies with buyback plans released within the last one year after separating stocks into three groups by the status of disclosure on "Action to Implement Management that is Conscious of Cost of Capital".

BofA GLOBAL RESEARCH

Exhibit 23: Return spread of disclosed vs. no disclosure companies in response to "Action to Implement Management that is Conscious of Cost of Capital and Stock Price"

Companies complying with TSE requests outperform

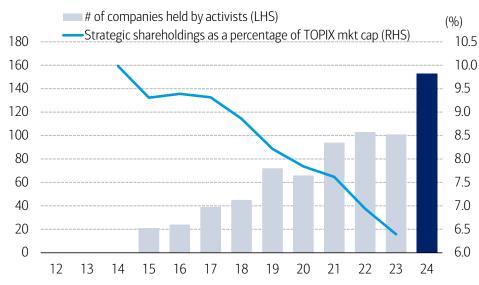


Source: BofA Global Research, QUICK

BofA GLOBAL RESEARCH

Exhibit 24: Number of new activist investors vs. market cap of policy shareholdings as a fraction of TOPIX

The number of new activists increases as strategic shareholdings are unwound



 $Source: BofA\ Global\ Research,\ QUICK,\ Bloomberg$

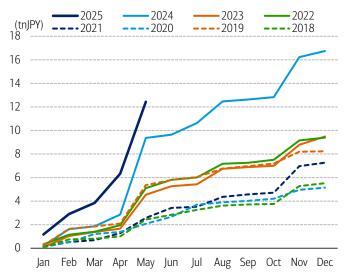
Note: We identify companies with activist investors based on Bloomberg definition. We aggregate stocks with at least 5% held by activist investors from Reports of Possession of Large Volume (Tairyo Hokokusho).



So, what happened in the latest earnings season as a result of these developments? Despite weaker earnings guidance, share buybacks increased to levels even higher than last year's record-setting highs (Exhibit 25). This underscores the transformation of Japanese companies, and is also likely to support EPS growth (Exhibit 26). We also saw sharp increases in unwinding of parent-subsidiary listings, business restructuring, and adoption of progressive dividends or DOE targets (Exhibit 27, Exhibit 28). These internal changes enhanced management discipline and capital efficiency, becoming unique catalysts for Japanese equities.

Exhibit 25: Annual share buyback budgets

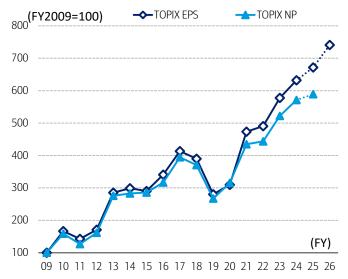
Share buybacks rising at a faster pace than last year, when they reached a record-high



Source: BofA Global Research, QUICK Note: based on TOPIX constituents

BofA GLOBAL RESEARCH

Exhibit 26: TOPIX EPS and NP for Feb/Mar year-end TOPIX companies TOPIX EPS growth has outpaced NP in recent years



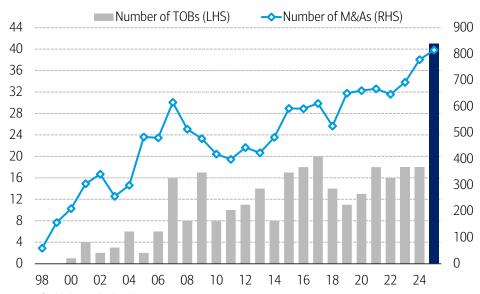
 $Source: BofA\ Global\ Research,\ Refinitiv,\ QUICK$

Note: FY25/26 TOPIX EPS is I/B/E/S consensus forecasts. FY25 estimates for Feb/Mar-end TOPIX companies are QUICK consensus.

BofA GLOBAL RESEARCH

Exhibit 27: Number of tender offers and M&A deals (Jan-May of each year)

Striking increase in tender offers this year



 $Source: Bof A \ Global \ Research, \ Bloomberg$

Note: Universe is TSE-listed firms. Tender offers indicate number of targeted firms. M&A is aggregate number of targeted, selling, and acquiring firms



Exhibit 28: Key corporate reforms announced with full-year results A raft of announcements

Subsidiary divestiture MBO M&A	- NTT Docomo - MBOs	Makes NTT Data Group wholly owned subsidiary, eliminating parent-subsidiary listing Nikkei (19 May) reports Toyota Industries to accept acquisition by Toyota group and delist To make Mitsubishi Shokuhin wholly owned subsidiary and delist To acquire Japan Tobacco's pharmaceutical business and subsidiary Torii Pharmaceutical (eliminating parent-subsidiary listing) To make Nippon Road wholly owned subsidiary and delist Announces acquisition of Sumitomo Mitsui Construction To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095) Announces plans to make UK-based Capula Investment Management, one of world's largest bond hedge funds, an
Subsidiary divestiture MBO M&A	8058 MITSUBISHI 4507 SHIONOGI 1803 SHIMIZU 5076 INFRONEER HOLDINGS - NTT Docomo - MBOs	To make Mitsubishi Shokuhin wholly owned subsidiary and delist To acquire Japan Tobacco's pharmaceutical business and subsidiary Torii Pharmaceutical (eliminating parent-subsidiary listing) To make Nippon Road wholly owned subsidiary and delist Announces acquisition of Sumitomo Mitsui Construction To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
Subsidiary divestiture MBO M&A	4507 SHIONOGI 1803 SHIMIZU 5076 INFRONEER HOLDINGS - NTT Docomo - MBOs	To acquire Japan Tobacco's pharmaceutical business and subsidiary Torii Pharmaceutical (eliminating parent-subsidiary listing) To make Nippon Road wholly owned subsidiary and delist Announces acquisition of Sumitomo Mitsui Construction To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
Subsidiary divestiture MBO M&A	1803 SHIMIZU 5076 INFRONEER HOLDINGS - NTT Docomo - MBOs	subsidiary listing) To make Nippon Road wholly owned subsidiary and delist Announces acquisition of Sumitomo Mitsui Construction To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
MBO M&A	5076 INFRONEER HOLDINGS - NTT Docomo - MBOs	Announces acquisition of Sumitomo Mitsui Construction To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
MBO M&A	- NTT Docomo - MBOs	To make tender offer for SSNB, delisting the bank (Nikkei reported) International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
M&A	- MBOs	International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095)
	- MBOs 8750 DAI-ICHI LIFE HOLDING:	International logistics firm Nissin (9066), healthcare worker community website operator MedPeer (6095) Announces plans to make UK-based Capula Investment Management, one of world's largest bond hedge funds, an
	8750 DAI-ICHI LIFE HOLDING	, Announces plans to make UK-based Capula Investment Management, one of world's largest bond hedge funds, an
		equity-inetriod arrillate (as part of goal of increasing ROE to around 10% by F126)
	3382 SEVEN & I HOLDINGS	Nikkei (20 May) reports Seven & i will sell part of stake in Seven Bank to Itochu. To move is part of the retailar's effort to focus its resources on its core convenience store business by reducing its stake in the bank.
	7201 NISSAN MOTOR	To close seven domestic/overseas plants, reduce headcount by 21,000 (15%) by FY3/28; will reduce component types by 70% vs. current levels
	7211 MITSUBISHI MOTORS	Begins discussions with Nissan on joint auto production at North American plant; will source EVs from Taiwan's Hon Hai
	6572 OPEN GROUP	Restructuring while profitable: 10,000 reduction in headcount, withdrawal from lossmaking businesses, consolidation of business locations
	9064 YAMATO HOLDINGS	Raising parcel delivery rates for individual customers, stepping up price-hike negotiations with corporate customers. Plans to reduce collection/delivery locations from around 2,900 in FY3/24 to around 1,800 in FY3/27
Corporate	6098 RECRUIT HOLDINGS	Aims to use AI to boost average ad price, improve internal productivity amid slowing US job openings. Will reduce net cash from ± 1.1 tn in May 2024 to around ± 600 bn by March 2026
	8306 MITSUBISHI UFJ FG	Has been seen as habitually conservative, but FY3/26 NP guidance ambitious. Moved forward target for strategic shareholding sales (to less than 20% of total assets) from FY3/30 to FY3/27
Changes in shareholder	8308 RESONA HOLDINGS	Targets DOE of around 3% in FY3/30, 2.1% in FY3/25. Rather than raising dividend weighting when profits are growing, signals intent to accelerate buybacks while consistently raising dividends; implies pickup in EPS growth
	8795 T&D HOLDINGS	Targets payout ratio of around 60% of group adjusted NP (five-year average). We estimate FY3/27 DPS of over ¥155 based on our estimates. Raised FY3/26 DPS guidance from ¥120 to ¥124.
	8802 MITSUBISHI ESTATE	Set new quantitative target for reducing strategic shareholdings. To cut FY3/28 holdings by at least 50% versus end-FY3/25. Announced buyback of up to ¥100bn more aggressive than previous policy (around ¥50bn per year, flexible approach to additional buybacks)
	4661 ORIENTAL LAND	Medium-term plan: Will use cash on hand, borrowing leeway to buy back up to ¥300bn in shares to brace for potential sales by existing shareholders. Targets FY35 revenue of over ¥1.0tn.
	8136 SANRIO	Medium-term plan: Targets ROE of 30% (previously 15%) by FY3/27. ¥50bn M&A budget including small investments, up to ¥30bn share buyback in event of no investments. Unveiled long-term vision as global IP
	7741 HOYA	Announced progressive dividend policy based on 40% payout ratio
	8058 MITSUBISHI	Announced up to ¥1tn buyback (17.1% of outstanding excluding treasury stock); targets FY3/28 ROE of at least 12%
	7259 AISIN	Up to ¥120bn (17.2%)
	3382 SEVEN & I HOLDINGS	Up to ¥600bn (15.4%); already announced ¥2th buyback by FY30 on 6 March
Main snare	9101 NIPPON YUSEN	Announced up to ¥150bn (10.4%) buyback, increase in payout ratio from 30% to 40% despite forecasting lower FY3/26 profits
	8795 T&D HOLDINGS	Up to ¥100bn (9.6%)
	6971 KYOCERA 6702 FUJITSU	Up to ¥200bn (9.0%); offers to acquire ¥250bn in own shares held by KDDI Up to ¥170bn (6.8%); total return ratio 57%
	8802 MITSUBISHI ESTATE	Up to ¥100bn (4.8%) funded by gains on sale of strategic shareholdings/fixed assets; raised annual dividend by ¥3 to ¥46
	9022 CENTRAL JAPAN RAILWA	Up to ¥100bn (4.6%); first buyback targeting shareholder returns

Source: BofA Global Research



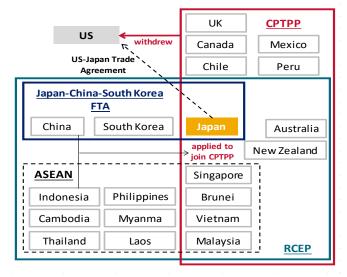
Japan's rising soft power

We also highlight Japan's rising soft power as a potential theme. With global trade relationships becoming untangled, particularly around the US, we believe Japan now has an opportunity to play a central role in free trade and cooperation with other nations. In his 29 May speech, Prime Minister Ishiba emphasized Japan's commitment to expanding free trade zones, with the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) at the core. Prior to that, in late April, Prime Minister Ishiba and Liberal Democratic Party (LDP) leaders toured Southeast Asia and Europe while engaging in tariff negotiations with the Trump administration. Japan is geographically central to the Asian trade zone (Exhibit 29) and has also signed an Economic Partnership Agreement (EPA) with the EU, positioning it as a natural hub in global trade networks.

Japan's rising soft power may also be an important factor. For example, Japan's ranking in the Anholt-Ipsos Nation Brands Index (NBI), which ranks 60 countries and regions based on six categories (exports, governance, culture, people, tourism and immigration/investment), has improved notably since the late 2010s, with Japan ranking first in both 2023 and 2024 (Exhibit 30). In a fragmented world, Japan is well positioned to take the lead in international cooperation. We see it as crucial that Japan forges alliances with other countries on trade, defense, and exchanges while also working to align itself with the US.

Exhibit 29: Japan's economic partnership frameworks

Japan has a central role in trade within Asia

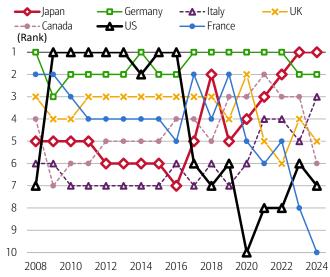


Source: BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 30: Nation Brands Index (NBI, G7 countries)

Japan ranked first globally in the Nation Brands Index in 2023 and 2024



Source: BofA Global Research, Anholi-Ipsos

Note: The NBI (Nation Brands Index) has surveyed perceptions of 60 countries in six categories—exports, governance, culture, people, tourism, and immigration/investment—since 2008 to measure national brand strength

BofA GLOBAL RESEARCH

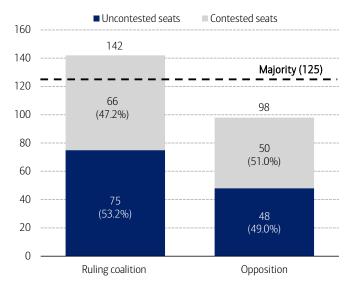
Risk: Upper House election

So, what are the risks for Japanese equities? The most immediate risk is the Upper House election, scheduled for 20 July. Since it is difficult to predict the outcome at this point, we focus here on the fundamental matters. Unlike Lower House elections, less than half the seats held by the ruling coalition are up for grabs in the Upper House, limiting the potential for change (Exhibit 31). As a result, markets often grow cautious ahead of the election but tend to rebound after the election is over (Exhibit 32).



Exhibit 31: Upper house election; number of seats held by ruling and opposition parties

Less than half of the ruling party's seats in the upper house are up for reelection $% \left(1\right) =\left(1\right) \left(1$



Source: BofA Global Research Note: Vacancies: 8 seats

BofA GLOBAL RESEARCH

Exhibit 32: Nikkei 225 before and after Upper House elections

The market has tended to decline before Upper House elections and entered a relief rebound afterward

	NKY225 return (%)				
Year	Pre-election	Post-election			
2001	-15.0	-15.1			
2004	-5.2	-3.0			
2007	-0.7	-0.6			
2010	-14.5	0.2			
2013	-0.1	-0.7			
2016	-12.9	11.3			
2019	0.6	1.5			
2022	-0.7	3.0			

Source: BofA Global Research, Nikkei Shimbun

Note: Measures performance over the 50 trading days before and after the election. Shading indicates elections where the ruling party lost

BofA GLOBAL RESEARCH

Former Prime Minister Kishida has noted that, depending on the outcome of the election, a broader coalition could come into power (Nikkei article on 29 May; Exhibit 33). If a broader coalition were formed, it could increase the stability of the administration, but if a coalition partner pushes for a cut in the consumption tax, the risk of an increase in interest rates could materialize, depending on how such a tax cut would be funded (income tax hikes could restrain upward pressure on interest rates; Exhibit 34).



Exhibit 33: Number of seats held by the major parties in the Lower House

The ruling party holds less than a majority of seats in the Lower House

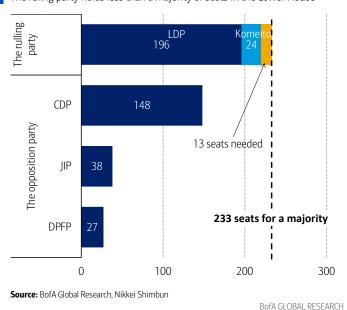


Exhibit 34: Manifestos of key political parties on consumption tax cut

All of the major opposition parties intend to include a consumption tax cut in their manifestos for the July Upper House election

	Party	Number of seats in the lower house	Consumption tax cut manifesto
LDP	Leadershop, etc. Some	191	Cautious about lowering consumption tax Reducing the tax rate on food items
Komeito (S	Saito, Chief)	24	Reducing the tax rate on food items to 5%
CDPJ		148	Reducing the tax rate on food items to 0% for one year (extendable to two years)
JIP		38	Reducing the tax rate on food items to 0% for two years
DPFP		27	Temporarily reducing consumption tax across the board to 5%
ICP		8	Abolishing consumption tax entirely in the future and reducing it across the board to 5% urgently
Reiwa		9	Abolishing consumption tax entirely

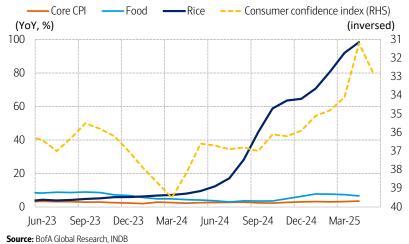
Source: BofA Global Research Note: quoted from 28 May Japan Viewpoint

BofA GLOBAL RESEARCH

Agriculture Minister Koizumi's recent pivot to release government stockpiles of rice directly to retailers could also influence the election outcome. While success is highly uncertain, if this release of stockpiles lowers the price of rice, which are up nearly 100% YoY, it could improve consumer sentiment and help ease election-related risk for Japanese equities (Exhibit 35).

Exhibit 35: Core CPI, CPI of food and rice, and consumer confidence index

Rice CPI rising YoY near 100, consumer sentiment has worsened



BofA GLOBAL RESEARCH

Corporate reform theme: Three unwindings

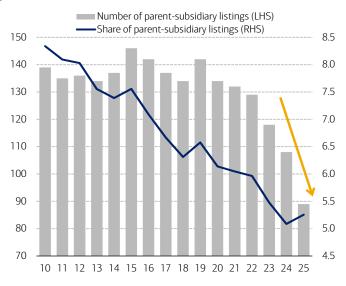
Lastly, we explore three key corporate reform-related investment themes: the unwinding of parent-subsidiary listings, reducing of strategic shareholdings, and disposing of idle real estate.



Parent-subsidiary listings had already been on a gradual decline, but the pace accelerated after the TSE called upon companies in 2023 to manage operations with a greater awareness of the cost of capital and share prices (Exhibit 36). In Feb this year, the TSE published The Investor's Perspective on Such Matters as Parent-Subsidiary Listings, where it pointed out that most companies that have parent-subsidiary listings have not sufficiently examined or disclosed their significance. This suggests that maintaining parent-subsidiary listings is becoming more difficult. Since 2024, growing pressure from the TSE and an increase in parent-subsidiary listing unwindings have tended to increase the relative returns of subsidiaries and their parents (Exhibit 37). Exhibit 38 and Exhibit 39 show major listed parent-subsidiary pairs.

Exhibit 36: Number of parent-subsidiary listings and their proportion of TOPIX stocks

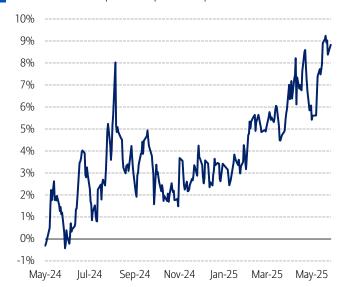
Unwinding of parent-subsidiary listings accelerated from 2023



Source: BofA Global Research, QUICK Note: based on TOPIX constituents

BofA GLOBAL RESEARCH

Exhibit 37: Relative return of subsidiaries against to parent companies Subsidiaries have outperformed parent companies since 2024



Source: BofA Global Research, Bloomberg Note: based on TSE listed names



Exhibit 38: Parent-subsidiary listingsParent-subsidiary listings where subsidiary has ¥20bn+ market cap, in descending order of subsidiary market cap

Subsidiary						Parent			
TSE Code	Name	Sector	Mkt cap (JPYbn)	Voting rights ratio held by parent (%)	TS Cod	le Name	Sector	Mkt cap (JPYbn)	
9434 SOFT		Inf.&Com.	10,570)		984 SOFTBANK G	Inf.&Com.	11,467	
9613 NTT I		Inf.&Com.	5,595	·)		132 NIPPON TELEGRAPH & TELEPHONE	Inf.&Com.	13,709	
	N POST BANK	Banks	5,524			78 JAPAN POST HD	Services	3,966	
4689 LY		Inf.&Com.	3,800			134 SOFTBANK	Inf.&Com.	10,570	
	ON SANSO HD	Chemicals	2,192	<u>)</u>		88 MITSUBISHI CHEMICAL G	Chemicals	1,135	
3092 ZOZ0		Retail Trade	1,402) -		589 LY	Inf.&Com.	3,800	
9719 SCSK		Inf.&Com.	1,335)		053 SUMITOMO	Whsle Trade	4,434	
	N POST INSURANCE	Insurance	1,180			78 JAPAN POST HD	Services	3,966	
4151 KYOV	VA KIRIN	Pharm.	1,177			503 KIRIN HD	Foods	1,904	
5838 RAKL	JTEN BANK	Banks	1,145		47	'55 RAKUTEN G	Services	1,716	
4784 GMO	INTERNET	Services	887		94	149 GMO INTERNET G	Inf.&Com.	377	
2327 NS S		Inf.&Com.	698		54	101 NIPPON STEEL	Iron & Steel	3,127	
3769 GMO	PAYMENT GATEWAY	Inf.&Com.	659	9 40.7	7 92	149 GMO INTERNET G	Inf.&Com.	377	
8572 ACON	Л	Oth.Fin.Bus.	657		83	806 MITSUBISHI UFJ FINANCIAL G	Banks	23,858	
8905 AEON		Real Estate	651	58.8	82	267 AEON	Retail Trade	3,853	
8060 CANC	ON MARKETING JAPAN	Whsle Trade	590	51.2	77	'51 CANON	Elec. App.	5,799	
3141 WEL0		Retail Trade	536		82	267 AEON	Retail Trade	3,853	
4812 DENT	SU SOKEN	Inf.&Com.	443	61.8	3 43	324 DENTSU G	Services	820	
6368 ORGA	ANO	Machinery	358	}	40	042 TOSOH	Chemicals	689	
8410 SEVE	N BANK	Banks	318	}	33	382 SEVEN & I HD	Retail Trade	5,631	
4506 SUM	ITOMO PHARMA	Pharm.	308	}	40	005 SUMITOMO CHEMICAL	Chemicals	555	
7451 MITS	UBISHI SHOKUHIN	Whsle Trade	275	-)	80)58 MITSUBISHI	Whsle Trade	11,824	
8570 AEON	I FINANCIAL SERVICE	Oth.Fin.Bus.	272	2 50.0	82	267 AEON	Retail Trade	3,853	
9787 AEON		Services	261		82	267 AEON	Retail Trade	3,853	
7205 HINO	MOTORS	Trans.Equip.	258	}	72	203 TOYOTA MOTOR	Trans.Equip.	41,699	
8283 PALT		Whsle Trade	256	51.7	7 74	159 MEDIPAL HD	Whsle Trade	497	
7105 MITS	UBISHI LOGISNEXT	Trans.Equip.	228		70)11 MITSUBISHI HEAVY INDUSTRIES	Machinery	11,079	
6744 NOHI	MI BOSAI	Elec. App.	224			35 SECOM	Services	2,489	
	ITOMO DENSETSU	Construction	215)		802 SUMITOMO ELECTRIC INDUSTRIES	Nonfer.Mtls	2,272	
4483 IMDC		Inf.&Com.	214			545 OMRON	Elec. App.	782	
8133 ITOCI		Whsle Trade	197			001 ITOCHU	Whsle Trade	11,914	
	PHARMACEUTICAL	Pharm.	183			914 JAPAN TOBACCO	Foods	8,854	
8278 FUJI		Retail Trade	178			267 AEON	Retail Trade	3,853	
	ED SUPER MARKETS HD	Retail Trade	178			267 AEON	Retail Trade	3,853	
	ITOMO RIKO	Rubber Prod.	175			802 SUMITOMO ELECTRIC INDUSTRIES	Nonfer.Mtls	2,272	
7222 NISS/		Trans.Equip.	146			201 NISSAN MOTOR	Trans.Equip.	1,339	
7630 ICHIB		Retail Trade	145			310 HOUSE FOODS G	Foods	268	
	-ETSU POLYMER	Chemicals	135			063 SHIN-ETSU CHEMICAL	Chemicals	9,127	
	N HOKKAIDO	Retail Trade	124			267 AEON	Retail Trade	3,853	
	HU-SHOKUHIN	Whsle Trade	123			001 ITOCHU	Whsle Trade	11,914	
20321100		. Trible frade	123	•	, 50		vinsic made	11,511	

Source: BofA Global Research, QUICK

Note: We screened the TOPIX universe using the following criteria. (1) Parent-subsidiary listings, (2) subsidiary market cap at least ¥20bn. Listed in descending order of subsidiary market cap. This is a screen and not a recommended list either individually or as a group of stocks and options. Investors should consider the fundamentals of the companies and their own individual circumstances / objectives before making any investment decisions.



Exhibit 39: Parent-subsidiary listings (cont.'d)Parent-subsidiary listings where subsidiary has ¥20bn+ market cap, in descending order of subsidiary market cap

	Subsidiary				Parent		
TSE Code	Name	TSE Code	Name	TSE Code	Name TSE Code	Name	TSE Code
2281 PRIMA M		Foods	114		8001 ITOCHU	Whsle Trade	11,914
1884 NIPPON	ROAD	Construction	110		1803 SHIMIZU	Construction	1,117
7739 CANON E	ELECTRONICS	Elec. App.	108	55.2	7751 CANON	Elec. App.	5,799
5449 OSAKA S	STEEL	Iron & Steel	106		5401 NIPPON STEEL	Iron & Steel	3,127
5352 KROSAKI	I HARIMA	Gl.&Cer.Prod	101		5401 NIPPON STEEL	Iron & Steel	3,127
6345 AICHI		Machinery	101		6201 TOYOTA INDUSTRIES	Trans.Equip.	5,846
8892 ES-CON J	JAPAN	Real Estate	98	51.1	9502 CHUBU ELECTRIC POWER	Elec.Pwr&Gas	1,324
8014 CHORI		Whsle Trade	94		3402 TORAY INDUSTRIES	Text&Apparel	1,636
4974 TAKARA	BIO	Chemicals	94		2531 TAKARA HD	Foods	248
1871 PS CONS	STRUCTION	Construction	82		1801 TAISEI	Construction	1,457
7513 KOJIMA		Retail Trade	81	50.7	3048 BIC CAMERA	Retail Trade	279
5727 TOHO TI	TANIUM	Nonfer.Mtls	77		5020 ENEOS HD	Oil&Coal P.	1,815
	U DEPARTMENT STORE	Retail Trade	75	69.4	9041 KINTETSU G HD	Land Trans.	548
4326 INTAGE H		Inf.&Com.	72	51.0	9432 NIPPON TELEGRAPH & TELEPHONE	Inf.&Com.	13.709
2003 NITTO FL	JJI FLOUR MILLING	Foods	70		8058 MITSUBISHI	Whsle Trade	11.824
4997 NIHON N		Chemicals	66		4401 ADEKA	Chemicals	270
2211 FUJIYA	,	Foods	62	54.4	2212 YAMAZAKI BAKING	Foods	726
2698 CAN DO		Retail Trade	59	51.1	8267 AEON	Retail Trade	3,853
	BAL ASSET MANAGEMENT	Services	57	5	8473 SBI HD	Sec.&Com.Fut	1,245
9946 MINISTO		Retail Trade	53		8267 AEON	Retail Trade	3,853
4343 AEON FA		Services	52	60.6	8267 AEON	Retail Trade	3,853
3198 SFP HD	1117.51	Retail Trade	49	58.9	3387 CREATE RESTAURANTS HD	Retail Trade	300
6099 ELAN		Services	47	55.0	2413 M3	Services	1,373
6937 FURUKA	WA BATTERY	Elec. App.	45	33.0	5801 FURUKAWA ELECTRIC	Nonfer.Mtls	473
9632 SUBARU		Services	42	54.2	9602 TOHO	Inf.&Com.	1,378
4714 RISO KYO		Services	40	51.1	3003 HULIC	Real Estate	1,120
3688 CARTA H		Inf.&Com.	38	53.2	4324 DENTSU G	Services	820
2737 TOMEN I		Whsle Trade	38	33.2	8015 TOYOTA TSUSHO	Whsle Trade	3,156
7198 SBI ARUI		Oth.Fin.Bus.	36		8473 SBI HD	Sec.&Com.Fut	1,245
	KU ELECTRICAL CONSTRUCT	Construction	35		9505 HOKURIKU ELECTRIC POWER	Elec.Pwr&Gas	148
5659 NIPPON		Iron & Steel	34		5471 DAIDO STEEL	Iron & Steel	209
2148 ITMEDIA		Services	33		9984 SOFTBANK G	Inf.&Com.	11,467
3922 PR TIMES		Inf.&Com.	31		6058 VECTOR	Services	44
7102 NIPPON		Trans.Equip.	31		9022 CENTRAL JAPAN RAILWAY	Land Trans.	3,255
3546 ALLEANZ		Retail Trade	31		9956 VALOR HD	Retail Trade	132
9726 KNT-CT H		Services	29		9041 KINTETSU G HD	Land Trans.	548
9216 BEWITH		Services	25	55.7	2168 PASONA G	Services	85
3788 GMO GL	ORAL SIGN HD	Inf.&Com.	24	52.0	9449 GMO INTERNET G	Inf.&Com.	377
6050 E-GUARE		Services	24	49.8		Inf.&Com.	88
0000 L-00AKL	ZIAIN	DEI VICES	24	49.0	JJUZ CHANUL HD	IIII.QCUIII.	00

Source: BofA Global Research, QUICK

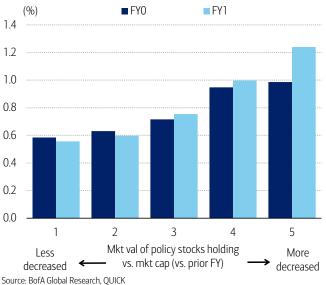
Note: We screened the TOPIX universe using the following criteria. (1) Parent-subsidiary listings, (2) subsidiary market cap at least ¥20bn. Listed in descending order of subsidiary market cap. This is a screen and not a recommended list either individually or as a group of stocks and options. Investors should consider the fundamentals of the companies and their own individual circumstances / objectives before making any investment decisions.



Next, the unwinding of strategic shareholdings is likely to continue accelerating. Out of five groups of stocks based on the amount of strategic shareholdings sold (relative to the market capitalization of the company owning the shares), those with larger sale amounts tend to buy back more shares (Exhibit 40). Additionally, those with fewer strategic shareholdings tend to have higher ROEs (Exhibit 41). These points indicate that the unwinding of strategic shareholdings contributes to improved capital efficiency.

Exhibit 40: The rate of policy holdings stocks decrease (vs. mkt cap) and share buybacks (vs. mkt cap)

Stocks with large policy-holdings unwind tend to repurchase their stocks

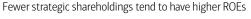


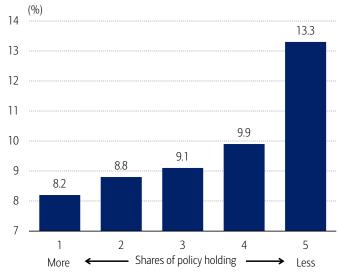
Note: Based on TOPIX. we separate the decrease of policy holdings (vs. mkt cap) into five groups

Note: Based on TOPIX. we separate the decrease of policy holdings (vs. mkt cap) into five groups and calculate the average share buybacks of current fiscal year and next fiscal year (vs. mkt cap).

BofA GLOBAL RESEARCH

Exhibit 41: Shares of policy holdings vs. average ROE





Source: BofA Global Research, QUICK

Note: We calculate the average ROE after grouping stocks based on their shares of policy holdings ${\tt BofA\,GLOBAL\,RESEARCH}$

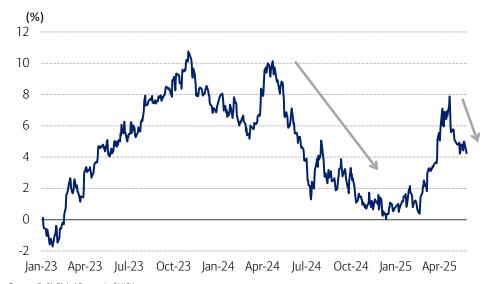
However, shares of companies with strategic shareholdings are often held by other companies, a situation that involves supply-demand risk. In fact, since FY3/24 results, when announcements of cross-shareholding unwinding increased, the performance of companies heavily held by other companies has deteriorated (Exhibit 42; now that the fiscal year-end of March has passed, selling pressure should ease until the next round of unwinding targets is announced with the upcoming results). When focusing on the effective use of funds from the sale of strategic shareholdings, we would select stocks that are not heavily owned by other companies.

Exhibit 43 stocks with strategic shareholdings (as a percentage of market capitalization) of 5% or more (relative to market capitalization) and at least 1.5x the percentage of their shares owned by other companies. Strategic shareholdings reflect the numbers when the data was acquired and may have changed recently.



Exhibit 42: Relative return of companies substantially being held as policy stocks (vs. TOPIX)

Since full-year results were announced in May 2024, the performance of companies heavily held by other companies has deteriorated



Source: BofA Global Research, QUICK

Note: we calculate the relative return of TOPIX names with 400 bn JPY mkt cap and policy holdings amount being held by other companies at least 12% vs. mkt cap.

Exhibit 43: Stocks with policy holdings stocks vs. market cap above 5% and the ratio of policy holdings stocks-to-policy holdings being held by other companies above 1.5

Stocks with ample room to improve capital efficiency by unwinding strategic shareholdings

Sector Marine Sector Mike ap Christophi Molding shares Companies with Shares held	shares held (%,
8306 MITSUBISHI UF JF G	vs. mkt cap)
9433 NIPPON TELEGRAPH & TELEPHONE Inf.&Com. 13,709	6.9
8766 TOKIO MARINE HD Insurance 11,389 13,7 22,0 24,9 166.0 8411 MIZUHO FG Banks 9952 -1,1 71,0 22,2 839,9 6503 MITSUBISHI ELECTRIC Elec. App. 6,477 0,5 59,0 8,1 73.0 6902 DENSO Trans. Equip. 15,248 3-4 11,0 15,2 25.0 8630 SOMPO HD 18 Insurance 5,287 1-16 287,0 55,2 212,0 839,9 8308 RESONA HD 18 Banks 2,965 9,2 149,0 240,0 335,5 166.0 8309 SUMITIOMO MITSUI TRUST GROUP Banks 2,965 9,2 149,0 240,0 335,5 166,0 8309 SUMITIOMO MITSUI TRUST GROUP Banks 2,965 9,2 149,0 240,0 335,5 166,0 8309 SUMITIOMO MITSUI TRUST GROUP Banks 2,965 9,2 149,0 240,0 335,5 166,0 8309 SUMITIOMO MITSUI TRUST GROUP Banks 2,965 9,2 149,0 240,0 335,0 145,5 430,0 6,77 1,70 310,0 9,5 310,0 35,0 310,0 310,0 310,0 35,0 310	4.6
BA11 MIZUHO FG	
6603 MITSUBISHI ELECTRIC Elec App. 6.477 0.5 59.0 8.1 73.0	0.8
6902 DENSO	5.8
872 MS&AD INSURANCE GROUP HD Insurance 5.287 -1.6 287.0 55.2 212.0 83.0 SMD OF HD Insurance 4.213 1.8 201.0 33.5 166.6 83.0 SMD OF HD Insurance 4.213 1.8 201.0 33.5 166.6 83.0 SMESONA HD Banks 2.965 9.2 149.0 24.0 33.5 166.6 971 KYOCERA ELECAP. 2.612 -21.8 14.0 67.2 21.0 9101 NIPPON YUSEN Marine Trans 2.405 1.7.0 31.0 9.5 31.0 SMD OF HD OF HOLD OF HELE APP. 2.612 -21.8 14.0 67.2 21.0 9101 NIPPON YUSEN Marine Trans 2.405 1.7.0 31.0 9.5 31.0 9.5 31.0 SMD OF HD OF HOLD OF HD OF HOLD OF HD O	5.2
8630 SOMPO HD Insurance 4,213 1,8 201,0 33.5 166.0 8308 RESONA HD Banks 2,965 9,2 149.0 24.0 335.0 8309 SUMITOMO MITSUI TRUST GROUP Banks 2,681 -8.2 126.0 44.5 430.0 6971 KYOCERA Elec. App. 2,612 -21.8 14.0 67.2 21.0 9101 NIPPON YUSEN Marine Trans 2,405 -17.0 31.0 9.5 31.0 5802 SUMITOMO ELECTRIC INDUSTRIES Monfer Mtls 2,272 3.3 59.0 11.5 46.0 1812 KAJIMA Construction 1,897 3.1 59.0 13.6 51.0 9503 KANSAI ELECTRIC POWER Elec-PvarkGas 1,815 -25.0 34.0 51.1 550.0 3402 TORAY INDUSTRIES Text&Apparel 1,636 -8.7 58.0 14.5 50.0 1802 DBAYASHI Construction 1,578 1.0 60.0 21.8 50.0 1802 DBAYASHI Construction 1,457	
8308 RESONA HD Banks 2,965 9.2 149.0 24.0 335.6 8309 SUMITOMO MITSUI TRUST GROUP Banks 2,681 -8.2 126.0 44.5 430.0 6971 KYOCERA Elec. App. 2,612 -21.8 14.0 67.2 21.0 9101 NIPPON YUSEN Marine Trans 2,405 -17.0 31.0 9.5 31.0 8802 SUMITOMO ELECTRIC INDUSTRIES Nonfer Mtls 2,272 33 59.0 111.5 46.0 1812 KAJIMA Construction 1,897 3.1 59.0 13.6 51.0 9503 KANSAI ELECTRIC POWER Elec.Pwr&Gas 1,817 4.9 42.0 9.4 44.0 9503 KANSAI ELECTRIC POWER Elec.Pwr&Gas 1,817 4.9 42.0 9.4 44.0 9503 KANSAI ELECTRIC POWER Elec.Pwr&Gas 1,817 4.9 42.0 9.4 44.0 8020 BAYASHI Construction 1,536 -8.7 58.0 14.5 50.0 1801 TAISEI Construction	6.5
8309 SUMITOMO MITSUI TRUST GROUP Banks 2,681 -8.2 126.0 44.5 430.0 6971 KYOCERA Elec. App. 2,612 -21.8 14.0 67.2 21.0 9101 NIPPON YUSEN Marine Trans 2,405 -17.0 31.0 9.5 31.0 5802 SUMITOMO ELECTRIC INDUSTRIES Nonfer.Mtls 2,272 3.3 590 11.5 46.0 1812 KAJIMA Construction 1,897 3.1 590 13.6 51.0 9503 KANSAI ELECTRIC POWER Elec.Pwr.8/Gas 1,817 4.9 42.0 9.4 44.0 5020 ENEOS HD Oil&Coal P. 1,815 -25.0 34.0 5.1 55.0 3402 TORAY INDUSTRIES Text&Apparel 1,636 -8.7 58.0 14.5 50.0 1801 TAISEI Construction 1,578 1.0 60.0 21.8 50.0 1801 TAISEI Construction 1,147 7.1 60.0 23.6 42.0 1802 SHIMIZU Construction 1,1103 <td></td>	
Fig. 2 Fig. 2 Fig. 3 F	
9101 NIPPON YUSEN	
S802 SUMITOMO ELECTRIC INDUSTRIES Nonfer.Mtls 2,272 3.3 59.0 11.5 46.0	5.2
1812 KAJIMA	
9503 KÁNSAI ELECTRIC POWER Elec PWR&Gas 1,817 4,9 42.0 9,4 44.0 5020 ENEOS HD Oil&Coal P. 1,815 -25.0 34.0 5.1 55.0 340.0 5.1 55.0 340.0 5.1 55.0 340.0 5.1 55.0 340.0 5.1 55.0 340.0 14.5 50.0 1802 OBAYASHI Construction 1,578 1.0 60.0 21,8 50.0 1801 TAISEI Construction 1,457 7.1 60.0 23,9 43.0 7911 TOPPAN HD Other Prod. 1,140 -4,2 49.0 24,8 86.0 1803 SHIMIZU Construction 1,117 13,4 60,0 23,6 42,0 7912 DAI NIPPON PRINTING Other Prod. 1,103 -1,5 59.0 31,3 75.0 7186 CONCORDIA FG Banks 1,056 6,1 60,0 18,8 125,0 5713 SUMITOMO METAL MINING Nonfer.Mtls 992 -15,1 40,0 21,9 37,0 5831 SHIZUOKA FG Banks 958 8,1 60,0 46,0 93,0 5201 AGC GI&Cer, Prod 925 -4,7 8,0 6,3 46,0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10,4 20,0 32,2 18,0 2768 SOJITZ Whisle Trade 799 -3,6 23,0 5,7 42,0 9401 TBS HD Inf.&Com. 787 2,8 39,0 91,1 41,0 1944 KINDEN Construction 774 8,3 6,0 11,5 13,0 8354 FUKUOKA FG Banks 743 0,7 6,1,0 18,2 10,4 20,2 32,2 18,0 33,0 91,1 41,0 1944 KINDEN Construction 774 8,3 6,0 11,5 13,0 8354 FUKUOKA FG Banks 743 0,7 6,1,0 18,2 10,4 20,2 32,2 18,0 33,0 91,1 41,0 1944 KINDEN Construction 774 8,3 6,0 11,5 13,0 8354 FUKUOKA FG Banks 736 -10,1 65,0 15,8 67,0 2327 NS SOLUTIONS Inf.&Com. 698 0,7 4,0 10,8 10,6 361 10,4 20,0 31,2 31,0 31,0 31,0 31,0 31,0 31,0 31,0 31,0	5.5
SOZO ENEOS HD Oil&Coal P. 1,815 -25.0 34.0 5.1 55.0	5.7
3402 TORAY INDUSTRIES Text&Apparel 1,636 -8.7 58.0 14.5 50.0	1.9
1802 OBAYASH Construction 1,578 1.0 60.0 21.8 50.0 1801 TAISE Construction 1,457 7.1 60.0 23.9 43.0 7911 TOPPAN HD Other Prod. 1,140 4.2 49.0 24.8 86.0 1803 SHIMIZU Construction 1,117 13.4 60.0 23.6 42.0 7912 DAI NIPPON PRINTING Other Prod. 1,103 -1.5 59.0 31.3 75.0 7186 CONCORDIA FG Banks 1,056 6.1 60.0 18.8 125.0 7185 CONCORDIA FG Banks 1,056 6.1 60.0 21.9 37.0 5831 SHIZUOKA FG Banks 992 -15.1 40.0 21.9 37.0 5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC Gl.&(cer.Prod 925 -4.7 8.0 6.3 46.0 6.3 46.0 2768 SOJITZ Whisle Trade 799 -3.6 23.0 5.7 42.0 2768 SOJITZ Whisle Trade 799 -3.6 23.0 5.7 42.0 40.0 11.5 13.0 19.4 KINDEN Construction 774 8.3 60.0 11.5 13.0 13.3 13.0 15.9 70.0 15.4 10.0 15.9 70.0 15.4 10.0 15.9 70.0 15.4 10.0 15.9 70.0 15.4 10.0 15.9 70.0 15.4 10.0 15.9 70.0 15.4 10.0 15.9 70.0 15.0 15.8 15.0 15.0 15.8 15.0 1	8.9
1801 TAISEI) 4.3
1803 SHIMIZU Construction 1,117 13.4 60.0 23.6 42.0 7912 DAI NIPPON PRINTING Other Prod. 1,103 -1.5 59.0 31.3 75.0 7186 CONCORDIA FG Banks 1,056 6.1 60.0 18.8 125.0 5713 SUMITOMO METAL MINING Nonfer.Mtls 992 -15.1 40.0 21.9 37.0 5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC GI.&CER.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 9401 TBS HD Inf.&Com. 870 10.4 20.0 32.2 18.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 736 -10.1 65.0 158	0.9
7912 DAI NIPPON PRINTING Other Prod. 1,103 -1.5 59.0 31.3 75.0 7186 CONCORDIA FG Banks 1,056 6.1 60.0 18.8 125.0 5713 SUMITOMO METAL MINING Nonfer.Mtls 992 -15.1 40.0 21.9 37.0 5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC Gl.&Cer.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8	10.6
7186 CONCORDIA FG Banks 1,056 6.1 60.0 18.8 125.0 5713 SUMITOMO METAL MINING Nonfer.Mtls 992 -15.1 40.0 21.9 37.0 5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC GI.&Cer.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Corn. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Corn. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Corn. 698 0.7 4.0 10.8 <	7.6
5713 SUMITOMO METAL MINING Nonfer.Mtls 992 -15.1 40.0 21.9 37.0 5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC Gl.&Cer.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 <td>) 10.7</td>) 10.7
5831 SHIZUOKA FG Banks 958 8.1 60.0 46.0 93.0 5201 AGC Gl.&Cer.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0	9.3
5201 AGC Gl.&Cer.Prod 925 -4.7 8.0 6.3 46.0 9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 </td <td>12.6</td>	12.6
9404 NIPPON TELEVISION HD Inf.&Com. 870 10.4 20.0 32.2 18.0 2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 696 80.7 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS GI.&Cer.Prod 528 -11.1 39.0 12.0 30.0	10.8
2768 SOJITZ Whsle Trade 799 -3.6 23.0 5.7 42.0 9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 5842 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 693 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 <	2.8
9401 TBS HD Inf.&Com. 787 2.8 39.0 91.1 41.0 1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 0JI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 696 8.0 696 8.0 696 8.0 9.6 8.0 696 8.0 9.6 8.0 9.6 8.0 9.6 8.0 9.6 8.0 9.6 9.6 9.6 9.0 9.6 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	9.3
1944 KINDEN Construction 774 8.3 60.0 11.5 13.0 8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0	1.3
8354 FUKUOKA FG Banks 743 0.7 61.0 18.2 104.0 5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0) 29.9) 2.7
5844 KYOTO FG Banks 736 -10.1 65.0 158.8 67.0 2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0	
2327 NS SOLUTIONS Inf.&Com. 698 0.7 4.0 10.8 1.0 7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0) 21.2
7167 MEBUKI FG Banks 697 7.6 60.0 21.7 99.0 3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0	
3861 OJI HD Pulp&Paper 687 -13.3 60.0 15.9 70.0 5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0	9.1
5406 KOBE STEEL Iron & Steel 655 -3.3 31.0 21.8 52.0 1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans. Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer. Prod 528 -11.1 39.0 12.0 30.0	
1942 KANDENKO Construction 608 -0.8 58.0 9.6 8.0 6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0	7.0
6963 ROHM Elec. App. 575 -51.4 9.0 7.6 13.0 7261 MAZDA MOTOR Trans.Equip. 570 -70.3 3.0 19.9 45.0 8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0) 1.4
8359 HACHIJUNI BANK Banks 565 7.8 64.0 94.4 93.0 4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0) 4.2
4005 SUMITOMO CHEMICAL Chemicals 555 12.1 17.0 7.2 29.0 5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0) 11.4
5333 NGK INSULATORS Gl.&Cer.Prod 528 -11.1 39.0 12.0 30.0) 15.5
) 1.6
5947 RINNAI Metal Prod. 519 1.9 60.0 9.0 31.0	5.8
9001 TOBU RAILWAY Land Trans. 514 -0.9 34.0 16.5 25.0	
7459 MEDIPAL HD Whsle Trade 497 -1.9 43.0 18.0 36.0	
5830 IYOGIN HD Banks 490 -14.1 133.0 69.9 81.0	
8334 GUNMA BANK Banks 481 11.0 60.0 16.8 48.0	9.2
6753 SHARP Elec. App. 468 -29.9 19.0 11.0 27.0 5938 LIXIL Metal Prod. 466 -35.2 44.0 12.5 41.0	
5938 LIXIL Metal Prod. 466 -35.2 44.0 12.5 41.0 5110 SUMITOMO RUBBER INDUSTRIES Rubber Prod. 462 -3.0 24.0 9.4 26.0) 4.6
8377 HOKUHOKU FG Banks 460 27.5 81.0 35.4 130.0	
5901 TOYO SEIKAN GROUP HD Metal Prod. 452 0.0 59.0 23.6 33.0) 11.5
2433 HAKUHODO DY HD Services 445 0.8 72.0 18.8 14.0) 6.2
1721 COMSYS HD Construction 439 2.8 29.0 5.7 18.0	3.5
5233 TAIHEIYO CEMENT GI.&Cer.Prod 437 -1.1 48.0 10.5 38.0	
5105 TOYO TIRE Rubber Prod. 430 -4.8 11.0 7.3 14.0) 4.8
9301 MITSUBISHI LOGISTICS Whsng&H.Tr.S 427 4.5 30.0 34.7 28.0	
9364 KAMIGUMI Whsng&H.Tr.S 423 4.7 59.0 7.6 20.0	3.4
9533 TOHO GAS Elec.Pwr&Gas 402 -4.5 60.0 27.5 50.0) 17.7

 $\textbf{Source} : \mathsf{BofA} \ \mathsf{Global} \ \mathsf{Research}, \ \mathsf{QUICK}$

Note: Universe consists of TOPIX stocks with market cap above 400 bn JPY, screened based on the following conditions: Policy holdings stocks vs. market cap above 5%, the ratio of policy holdings stocks to policy holdings being held by other companies above 1.5 and RP earnings revision ratio above -5%; listed in descending order of market cap. Estimated value is based on QUICK consensus. This is a screen and not a recommended list either individually or as a group of stocks and options. Investors should consider the fundamentals of the companies and their own individual circumstances / objectives before making any investment decisions.



Lastly, we look at stocks with significant real estate portfolios. The land bank portfolios shown in Exhibit 44 list the TOPIX companies with a market cap of at least ¥300bn that own real estate portfolios with a market value minus book value at least 10% of their total market cap (for some stocks, we substituted investment real estate data). Please note, however, that this list, automatically generated from a database, is for reference only and may not be an accurate representation of unrealized gains on real estate.

Inflation can increase the prospects for raising rents and expand business opportunities for companies in the real estate sector and can increase the potential for selling some real estate holdings for companies holding real estate without much synergy with their main business.



Exhibit 44: Land Bank portfolio

Stocks with a market cap of at least ¥400bn and unrealized gains on real estate, including for lease, of at least 3% of market cap

TSE code	Name	Sector	Mkt cap (bn JPY)	P/B (x)	Maket value of real estate holdings (vs. mkt cap. %)	real estate holdings	Maket value minus book value of real estate holdings (vs. mkt cap. %)
9432 NIPPON	TELEGRAPH & TELEPHONE	Inf.&Com.	14,117	1.2	18.6	9.5	9.1
8031 MITSUI	TEELOW I TO TEEL TONE	Whsle Trade	8,804		7.7	2.4	5.3
8750 DAI-ICHI	LIFF HD	Insurance	4,113		31.1	22.5	8.6
6178 JAPAN PO		Services	4,106		35.4	21.4	14.1
8801 MITSUI F		Real Estate	3,835		181.5	93.7	87.8
8267 AEON	0000/114	Retail Trade	3,800		51.7	37.9	13.8
9020 EAST JAP	AN RAII WAY	Land Trans.	3,424		73.0	25.6	47.4
	IOUSE INDUSTRY	Construction	3,272		45.0	39.1	5.9
8802 MITSUBI		Real Estate	3,264		286.2	137.7	148.6
	MO REALTY & DEVELOPMENT	Real Estate	2,621	1.2	319.6	167.2	152.4
1928 SEKISUI I		Construction	2,182	1.1	22.0	18.1	3.9
7013 IHI	10002	Machinery	2,169	4.3	15.8	6.6	9.1
5803 FUJIKURA	4	Nonfer.Mtls	2,034		5.7	1.9	3.8
1812 KAJIMA		Construction	1,893		29.3	16.0	13.3
9104 MITSUI C) S K LINES	Marine Trans	1,857		38.6	24.7	13.9
	ELECTRIC POWER	Elec.Pwr&Gas	1,810	0.6	33.8	21.3	12.5
8795 T&D HD	ELECTRIC FOWER	Insurance	1,809	1.4	22.0	15.3	6.7
9531 TOKYO G	ias	Elec.Pwr&Gas	1,767	1.0	32.9	7.6	25.3
1802 OBAYASI		Construction	1,580	1.3	47.6	33.0	14.6
	SHI HC CAPITAL	Oth.Fin.Bus.	1,533	0.8	35.1	30.6	4.5
	ECURITIES GROUP	Sec.&Com.Fut	1,533	0.8	60.1	50.9	9.3
9021 WEST JAI		Land Trans.	1,473	1.2	62.6	30.9	31.6
9532 OSAKA G		Elec.Pwr&Gas	1,452	0.8	20.9	15.1	5.8
9602 TOHO	NJ	Inf.&Com.	1,349		42.3	12.3	30.0
8473 SBI HD		Sec.&Com.Fut	1,340		6.6	2.6	4.0
9024 SEIBU HI	1	Land Trans.	1,197	2.1	57.4	29.3	28.2
1803 SHIMIZU		Construction	1,137		46.6	31.8	14.9
1878 DAITO TE	RUST CONSTRUCTION	Real Estate	1,147	2.4	13.9	6.8	7.1
3003 HULIC	COST CONSTRUCTION	Real Estate	1,123	1.3	182.7	146.4	36.2
5411 JFE HD		Iron & Steel	1,112		11.9	5.0	6.9
9005 TOKYU		Land Trans.	1,003		113.2	53.9	59.3
9023 TOKYO M	METPO	Land Trans.	1,074	1.5	12.7	7.1	5.6
9042 HANKYU		Land Trans.	993	0.9	147.3	89.8	57.5
	TELEVISION HD	Inf.&Com.	871		15.3	12.1	37.3
	MITSUKOSHI HD	Retail Trade	845		23.3	13.7	9.5
9401 TBS HD	MITSUNUSTITIU	Inf.&Com.	778		40.6	9.2	31.4
	A REAL ESTATE HD	Real Estate	770		121.3	86.8	34.6
3289 TOKYU F		Real Estate	755		153.3	99.2	54.0 54.1
					32.5	21.9	
	LECTRIC RAILWAY	Land Trans. Inf.&Com.	714 703		57.6	47.8	10.6
4676 FUJI MED			699		40.5	47.8 9.6	9.8 30.9
9147 NIPPON I		Land Trans. Real Estate	639		40.5 278.7		70.3
8905 AEON MA	ALL					208.4	/U.3
1808 HASEKO	DOLID	Construction	630		21.2	17.8	3.3
8252 MARUI G		Retail Trade	616		46.8	21.2	25.6
9142 KYUSHU		Land Trans.	610		82.8	57.4	25.4
2501 SAPPORO		Foods		3.0	68.6	35.6	
	ELECTRIC RAILWAY	Land Trans.		1.2	62.3	41.6	
3086 J.FRONT		Retail Trade		1.3	51.3	31.4	19.8
5444 YAMATO		Iron & Steel		0.9	9.0		
9041 KINTETSI		Land Trans.		0.9	42.8	36.2	6.6
8804 TOKYO T		Real Estate		1.0	297.7	193.3	
9001 TOBU RA		Land Trans.		0.9	46.1	29.8	16.3
2871 NICHIREI		Foods		1.7	10.2	2.0	
	IKAN GROUP HD	Metal Prod.		0.7	34.2	6.9	27.3
2433 HAKUHO		Services		1.1	10.5	3.4	
5233 TAIHEIYO		Gl.&Cer.Prod		0.7	28.3	11.6	16.7
9301 MITSUBI	SHI LOGISTICS	Whsng&H.Tr.S		1.2	94.9	32.7	62.2
9008 KEIO		Land Trans.		1.0	70.0		25.6
9706 JAPAN AI	RPORT TERMINAL	Real Estate		2.1	124.4	60.8	
		Land Trans.		1.1	88.7	28.9	

Source: BofA Global Research, QUICK

Note: We screened for TOPIX stocks that meet the following conditions. Companies (1) with a market cap of at least \$400bn and (2) unrealized gains on real estate, including for lease, of at least 3% of market cap. For stocks that we could not obtain data on their real estate holdings, we used investment real estate as a proxy. Listed by market cap in descending order. Please note, however, that this list was automatically generated from a Quick Astra Manager database and may not be an accurate representation of unrealized gains. Estimates are QUICK consensus estimates. This is a screen and not a recommended list either individually or as a group of stocks and options. Investors should consider the fundamentals of the companies and their own individual circumstances / objectives before making any investment decisions.



Disclosures

Important Disclosures

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R1}

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

R1Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Due to the nature of strategic analysis, the issuers or securities recommended or discussed in this report are not continuously followed. Accordingly, investors must regard this report as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or securities.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

Other Important Disclosures

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments. Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments. Refer to BofA Global Research policies relating to conflicts of interest.

'BofA Securities' includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. 'BofA Securities' is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by the Financial Sector Conduct Authority; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); BofASE (France): BofASE and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Hong Kong): Merr (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority, Merrill Lynch (DIFC): Merrill Lynch (DIFC): Merrill Lynch (DIFC): Merrill Lynch (Brazil): M Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company. Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority. This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and



distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the Electronic Communications Disclaimers for further information.

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

Copyright and General Information:

Copyright 2025 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. This document and its content is provided solely for informational purposes and cannot be used for training or developing artificial intelligence (AI) models or as an input in any Al application (collectively, an AI tool). Any attempt to utilize this document or any of its content in connection with an AI tool without explicit written permission from BofA Global Research is strictly prohibited. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal proceedings in which any BofA Securit

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to sustainability in this material is limited as discussed herein and is not intended to provide a comprehensive view on any sustainability claim with respect to any



issuer or security.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

